

SPACE RADIATION PROGRAM ELEMENT TISSUE SHARING INITIATIVE

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Tissue Sharing Survey Results

Question	Response/Decision
Do you have archived organ tissue samples that you are willing to share with other PI's? If so, are you willing to post your list of available samples on the SRPE website (password protected)?	The PIs who had or will have animal tissues are willing to share. Some of the PIs had already provided the samples to others.
On the SRPE website, a brief description of the experimental set up would be posted that includes the animal strain and the organ type, the particle type, energy and dose/dose rate, the time points for animal sacrifice and the sample fixation method. Is there other information that should be posted to describe accurately the experimental conditions?	Gender; age; method used to fix the samples; paraffin block or slides; health status; whole body or partial body exposure; anesthetized agent. An inventory form was sent to the PIs.
Would you prefer to have the requestor contact you directly or through SRPE?	Contact PI directly.
What information would you like to see included in a request for samples?	What will the samples be used for? The PI can ask the requestor directly.
How should tissue sharing be acknowledged by the recipient in any resulting publications/presentations or by the donor/recipient in annual and final reports?	Leave to the requestor and the PI to decide.
Do you have any suggestions to facilitate or encourage tissue sharing among our PI's?	Announce at the workshop; List of samples in database; Send the list to the PI community; Some suggested establishing of a central repository, but also pointed out the cost if it is done right; DOE model is mentioned.
Do you have any comments on possible negative impacts or difficulties that may be encountered?	Expenses should be paid by the requestor; Spread of disease; Good for generating pilot data, but the experimental setup may not be maximal; Concerned about conflict.

Tissue Sample Inventory Form

Organ type	Fixation method	Particle type	Energy	Dose	PI name	Institution	Phone #	Email	Note (Project, low dose rate, partial body exposure, publication, source of animals and etc.)
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.05Gy x 1 (1GeV)	1 GeV/n	0.05 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole body Radiation
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.05Gy x 1 (600MeV)	600 MeV/n	0.05 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.067 x 3	1 GeV/n	0.2 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation. Fractioned 20 Hrs.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 Gy x 1 (1 GeV)	1 GeV/n	0.1 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 1 (600 MeV)	600 MeV/n	0.1 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 2	1 GeV/n	0.2 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation. Fractioned 24 Hrs.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 2	1 GeV/n	0.2 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation. Fractioned 24 Hrs.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 2	1 GeV/n	0.2 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation. Fractioned 24 Hrs.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 2 (24)	1 GeV/n	0.2 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole Body Radiation. Fractioned 24 Hrs.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 2 (48)	1 GeV/n	0.2 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole body Radiation. Fractioned 48 hrs.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 3 (600MeV)	600 MeV/n	0.3 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole body Radiation. Fractioned 24 hrs.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 3 (600MeV)	600 MeV/n	0.3 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole body Radiation. Fractioned 48 hrs, over 5 days period.
Lung, Spleen, Liver, Heart, Kidney	Neutral Buffered Formalin	Fe- 0.1 x 5 (600 MeV)	600 MeV/n	0.5 Gy	Dr. Jerry Shay	UT Southwestern Medical Center	214-648-4202	krishna.luitel@utsouthwestern.edu	Whole body Radiation.

Current Plan

- An online discussion board will be built for investigators to post and request the samples

Future Plan

- Tissue sharing will become mandatory for future animal experiments
 - Experimental design to maximize the return
 - Funding support for tissue sharing
- We welcome any suggestions